

10/529,714

ABSTRACT

Optimization of hydraulically controlled engagement of clutches in marine transmissions by a device having two clutch control pistons, two solenoid valves arranged between the pumps, aid pistons, a bistable valve connected between the solenoid valves and pistons, a control valve arranged on a discharge line leading to a reservoir and-an adjusting device with a spring element is linked to the bistable valve. A shuttle-type sequence valve links the spring element and a solenoid and bistable valve supply line. The-bistable valve is linked to the hydraulic control of the sequence valve to produce a preset pressure drop between the spring element (18) and the pressure side of pumps.